

ECS/EMD Configuration Change Request

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|---|---------------------------------|---|---|---|--|---------------------------|
| 1. Originator Elizabeth O. Ajayi | 2. Log Date: 12/16/03 | 3. CCR #: 03-0832 | 4. Rev: — | 5. Tel: (301) 925-0507 | 6. Rm #: 3000L | 7. Org. DEV/DDM |
| 8. CCR Title: Updating the Data Model Documentation with the UARS, OCTS, and TRMM valids | | | | | | |
| 9. Originator Signature/Date Elizabeth O. Ajayi /s/ 12/16/03 | | | 10. Class II | 11. Type: CCR | 12. Need Date: 12/23/2003 | |
| 13. CCR Sponsor Signature/Date Arthur Cohen /s/ 12/16/03 | | | 14. Category of Change: Update ECS/EMD Baseline Doc | | 15. Priority: (If "Emergency" fill in Block 27). Routine | |
| 16. Documentation/Drawings Impacted (Review and submit checklist): 420-TP-023-001 | | | 17. Schedule Impact: None | | 18. CI(s) Affected: ESDT, SDSRV, and DDICT | |
| 19. Release Affected by this Change: 6B | | 20. Date due to Customer: N/A | | 21. Estimated Cost: None - Under 100K | | |
| 22. Source Reference: <input checked="" type="checkbox"/> NCR (attach) <input type="checkbox"/> Action Item <input type="checkbox"/> Tech Ref. <input type="checkbox"/> GSFC <input type="checkbox"/> Other: ECSed38769 | | | | | | |
| 23. Problem: (use additional Sheets if necessary) The following valids need to be added to the Data Model Documentation: AltitudeDistanceUnits: "log(hecto Pascals)" ECSPParameterKeyword: "Aerosol extinction profiles at 12.1 microns (AERO12P1)" "Aerosol extinction profiles at 1257 cm-1 (AERO1257)" (Listing continues on Additional Sheet) | | | | | | |
| 24. Proposed Solution: (use additional sheets if necessary) Request that DM post the attached sheet as an addendum to the 420-TP-023-001 on the EDHS server. | | | | | | |
| 25. Alternate Solution: (use additional sheets if necessary) N/A | | | | | | |
| 26. Consequences if Change(s) are not approved: (use additional sheets if necessary) The new valids will not be documented in the Data Model Documentation. The Documentation will be inconsistent with the implementation. | | | | | | |
| 27. Justification for Emergency (If Block 15 is "Emergency"): N/A | | | | | | |
| 28. Site(s) Affected: <input checked="" type="checkbox"/> EDF <input type="checkbox"/> PVC <input type="checkbox"/> VATC <input type="checkbox"/> EDC <input type="checkbox"/> GSFC <input type="checkbox"/> LaRC <input type="checkbox"/> NSIDC <input type="checkbox"/> SMC <input type="checkbox"/> AK <input type="checkbox"/> JPL <input type="checkbox"/> EOC <input type="checkbox"/> IDG Test Cell <input type="checkbox"/> Other | | | | | | |
| 29. Board Comments: | | | 30. Work Assigned To: | | 31. CCR Closed Date: | |
| 32. SCDV CCB Chair (Sign/Date): Byron V. Peters /s/ 12/18/03 | | | Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ECS | | | |
| 33. EDF CCB Chair (Sign/Date): | | | Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ECS | | | |
| 34. ECS CCB Chair (Sign/Date): | | | Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ESDIS | | | |

ADDITIONAL SHEET

CCR #: 03-0832 **Rev: — Originator:** Elizabeth O. Ajayi

Telephone: 301-925-0507 **Office:** 3000L

Title of Change: Updating the Data Model Documentation with the UARS, OCTS, and TRMM valids

ECSParameterKeyword:

"Aerosol extinction profiles at 1605 cm-1 (AERO1605)"
"Aerosol extinction profiles at 1897 cm-1 (AERO1897)"
"Aerosol extinction profiles at 2.45 microns (AEXTHF)"
"Aerosol extinction profiles at 2.80 microns (AEXTCO2)"
"Aerosol extinction profiles at 3.40 microns (AEXTHCL)"
"Aerosol extinction profiles at 3.46 microns (AEXTCH4)"
"Aerosol extinction profiles at 5.26 microns (AEXTNO)"
"Aerosol extinction profiles at 6.23 microns (AERO6P23)"
"Aerosol extinction profiles at 780 cm-1 (AERO780)"
"Aerosol extinction profiles at 790 cm-1 (AERO790)"
"Aerosol extinction profiles at 843 cm-1 (AERO843)"
"Aerosol extinction profiles at 880 cm-1 (AERO880)"
"Aerosol extinction profiles at 925 cm-1 (AERO925)"
"Altitude profiles"
"Atmospheric pressure profiles"
"Atmospheric temperature profiles (TEMP)"
"Atmospheric temperature profiles on a pressure grid (TEMP_P)"
"Atmospheric temperature profiles on an altitude grid (TEMP_A)"
"Atmospheric temperature profiles"
"CFC-11 or trichlorofluoromethane volume mixing ratio profiles (CFCL3)"
"CFC-12 or dichlorodifluoromethane volume mixing ratio profiles (CF2CL2)"
"Carbon monoxide volume mixing ratio profiles (CO)"
"Chlorine monoxide volume mixing ratio profiles (CLO)"
"Chlorine nitrate volume mixing ratio profiles (CLONO2)"
"Dinitrogen pentoxide volume mixing ratio profiles (N2O5)"
"Dinitrogen pentoxide volume mixing ratio profiles (N2O5_OTHER)"
"Electron differential number flux (intensity) profiles"
"Electron energy deposition profiles (EDEP3AT_ELEC)"
"Electron energy deposition profiles from the HEPS instrument (HEPS_ELEC_ED)"
"Electron energy deposition profiles from the MEPS instrument (MEPS_ELEC_ED)"
"Geopotential height profiles (GPH)"
"Geopotential height profiles"
"Hydrogen chloride volume mixing ratio profiles (HCL)"
"Hydrogen fluoride volume mixing ratio profiles (HF)"
"Meridional wind component profiles on a pressure grid (MERWIN_P)"
"Meridional wind component profiles on an altitude grid (MERWIN_A)"
"Meridional wind component profiles"
"Methane volume mixing ratio profiles (CH4)"
"Methyl cyanide volume mixing ratio profiles (CH3CN)"
"Nitric acid volume mixing ratio profiles (HNO3)"
"Nitric oxide volume mixing ratio profiles (NO)"
"Nitrogen dioxide volume mixing ratio profiles (NO2)"
"Nitrous oxide volume mixing ratio profiles (N2O)"
"O2 band volume emission rate profiles on a pressure grid (VOLER_P)"
"O2 band volume emission rate profiles on an altitude grid (VOLER_A)"
"Ozone volume mixing ratio profiles (O3)"
"Ozone volume mixing ratio profiles at 183 GHz (O3_183)"
"Ozone volume mixing ratio profiles at 205 GHz (O3_205)"
"Ozone volume mixing ratio profiles at 780 cm-1 (O3B9)"
"Proton energy deposition profiles (EDEP3AT_PROT)"
"Proton energy deposition profiles from the HEPS instrument (HEPS_PROT_ED)"
"Proton energy deposition profiles from the MEPS instrument (MEPS_PROT_ED)"
"Relative humidity (moisture) profiles"
"Sulfur dioxide volume mixing ratio profiles (SO2)"

"Upper tropospheric relative humidity with respect to ice profiles (UTH)"
"Vertical velocity (omega) profiles"
"Water vapor volume mixing ratio profiles (H2O)"
"X-ray energy deposition profiles (EDEP3AT_P[01-16])"
"Zonal wind component profiles on a pressure grid (ZONWIN_P)"
"Zonal wind component profiles on an altitude grid (ZONWIN_A)"
"Zonal wind component profiles"

ECSTermKeyword:

"Ionosphere/Magnetosphere Particles"

ECSVariableKeyword:

"Airglow"
"Altitude"
"Hydrogen Fluoride"
"Methyl Cyanide"
"Nitric Oxide"
"Temperature Profiles"

GeographicCoordinateUnits:

"kilometers"

InstrumentLongName:

"Cryogenic Limb Array Etalon Spectrometer"
"HALogen Occultation Experiment"
"High Resolution Doppler Imager"
"Improved Stratospheric And Mesospheric Sounder"
"Particle Environment Monitor Atmospheric X-ray Imaging Spectrometer"
"Particle Environment Monitor High-Energy Particle Spectrometer"
"Particle Environment Monitor Medium-Energy Particle Spectrometer"
"Solar Ultraviolet Spectral Irradiance Monitor"
"WIND Imaging Interferometer"

InstrumentShortName:

"CLAES"
"HALOE"
"HRDI"
"ISAMS"
"PEM AXIS"
"PEM HEPS"
"PEM MEPS"
"SUSIM"
"WINDII"

PlatformLongName:

"Upper Atmosphere Research Satellite"

PlatformShortName:

"UARS"

ECSParameterKeyword:

"Aerosol Optical Thickness"
"Aerosol Reflectance"
"Angstrom coefficient, 520 to 865 nm"
"Chlorophyll a concentration"
"Diffuse Attenuation Coefficients"
"Epsilon of aerosol correction at 670 and 865 nm"
"Integral chlorophyll, calculated using the Level-2 values chlorophyll a divided by K_490"
"Near Infrared"
"Nitric acid volume mixing ratio profiles (HNO3)"
"Normalized water-leaving radiance at 490 nm"

"Normalized water-leaving radiance at 520 nm"
"Normalized water-leaving radiance at 565 nm"
"Normalized water-leaving radiance at 670 nm"
"Radiance @ 0.63um"
"Radiance @ 1.6um"
"Radiance @ 10.8um"
"Radiance @ 12.0um"
"Radiance @ 3.75um"
"Satellite Local Zenith Angle"

ECSVariableKeyword:
"Microwave Radiance"

InstrumentLongName:
"Ocean Color and Temperature Sensor"
"Precipitation Radar"
"TRMM Microwave Imager"
"Visible and InfraRed Scanner"

InstrumentShortName:
"OCTS"
"PR"
"TMI"
"VIRS"

PlatformLongName:
"Advanced Earth Observing Satellite"

PlatformShortName:
"ADEOS"

ProcessingCenter:
"CDHF" - Central Data Handling Facility
"TSDIS" - TRMM Science Data and Information System

ProcessingLevelID:
"1C"

SensorLongName:
"Precipitation Radar"
"TRMM Microwave Imager"
"Visible and InfraRed Scanner"

SensorShortName:
"OCTS"
"PR"
"TMI"
"VIRS"

ECSPParameterKeyword:
"Conditional Rain Rate"
"Rain Probability"
"2.0 * TB(19V) - TB(21V)"
"Latent Heat"

